HEXCEL

FEB 6 1982

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS

FEB 17 1982

FORM NO. OSHA-20 (MODIFIED)
MAY 1971

MATERIAL SAFETY DATA SHEET

QPL 1599, Rev K
Glass Fabric, Phenolic Resin Preimpreg

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
HEXCEL CORP. STRUCTURAL DIVISION	(415) 447-1001

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)
10 TREVARNO ROAD, LIVERMORE, CALIFORNIA 94550

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
	F 120 PREGREG

CHEMICAL FAMILY	FORMULA
PHENOLIC IMPREGNATED FIBERGLASS	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TWA (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Ethyl Alcohol	4 6	1000ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS Phenol Formaldehyde Resin Solution	30 40	unknown			

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*	%	TLV (UNITS)

SECTION III: PHYSICAL DATA

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (H_2O = 1)	N/A
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	4-8%
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER Negligable			

APPEARANCE AND ODOR Resin impregnated fabric - slight alcohol odor possible

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Lel	Uel
Approx. 300°C	For Ethyl Alcohol	4.3	19.0

EXTINGUISHING MEDIA
Water fog, CO_2 Foam or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES
Flammable vapors may form explosive mixture with air.

UNUSUAL FIRE AND EXPLOSION HAZARDS

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Ethyl Alcohol 1000 ppm (1970 ACGIH)

EFFECTS OF OVEREXPOSURE
Possibility of mild contact dermatitis with prolonged or repeated contact to sensitive individuals.

EMERGENCY AND FIRST AID PROCEDURES
Wash effected areas with soap and water. In the event of eye contact flush with water and consult a physician.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Avoid excessive heat. Elevated temperatures will cause gelation.

INCOMPATIBILITY (MATERIALS TO AVOID)
Strong acids may cause strong exothermic reaction

HAZARDOUS DECOMPOSITION PRODUCTS
May contain Formaldehyde, Phenol, Steam

HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID: With excessive heat exposure of large masses
	WILL NOT OCCUR		

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
N/A

WASTE DISPOSAL METHOD
Bury in landfill in accordance with state federal and local regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)
Dust mask during any machining operation

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL) During product cure	OTHER

PROTECTIVE GLOVES
Rubber/plastic during handling

EYE PROTECTION
Goggles during Machining of cured product

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Material should be stored below 40°F

Material should be accessible only to those experienced in its processing and usage

OTHER PRECAUTIONS
Machining of cured product should be done wet or with respiratory protection

A. W. Nosil — PREPARED BY

2/12/79 — DATE